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Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of

claims in the application:

Listing of Claims:

Claim 1 (currently amended): A color projection display device,

comprising:

a light source adapted for providing white light beams;

a micro-mirror unit, the micro-mirror unit being configured so as to

receive the white light beams incident thereupon, the white light beams

having been emitted directly from the light source without being reflected;

and

a projection lens;

wherein the micro-mirror unit is configured for selectably performs

switching between an on state and an off state according to a driving

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signal, the micro-mirror unit reflecting light beams emitted from the light

source to the projection lens in the on state, [[and]] the micro-mirror unit

not reflecting said light beams to the projection lens in the off state, the

projection lens enlarging and displaying the light beams reflected by the

micro-mirror on a screen, the projection lens thereby being configured for

generating images thereon on the screen.

Claim 2 (original): The color projection display device as described in

claim 1, wherein the micro-mirror unit is made by a

micro-electromechanical system.

Claim 3 (original): The color projection display device as described in

claim 1, wherein the driving signal is generated by a pulse width

modulation driving device.

Claim 4 (currently amended): The color projection display device as

described in claim 1, wherein the micro-mirror unit comprises a

complementary metal-oxide semiconductor layer, a metal layer, a torsion

layer and a micro-lens micro-mirror array formed on a silicon substrate.

Claim 5 (currently amended): The color projection display device as

described in claim 4, wherein the micro-mirror unit further comprises an

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address electrode formed on the torsion layer for providing the driving

signal to the micro-lens micro-mirror array.

Claim 6 (currently amended): The color projection display device as

described in claim 4, wherein the micro-mirror unit further comprises an

address electrode formed on the torsion layer for providing the driving

signal to the micro lens micro-mirror array.

Claim 7 (currently amended): The color projection display device as

described in claim 6, wherein the driving signal comprises two digital

stats; stats: one digital state maintaining one micro-mirror of the

micro-lens array in the on state, and the other digital state maintaining the

micro-mirror in the off state.

Claim 8 (currently amended): A color projection display device,

comprising: a light source adapted for providing light beams, a light

modulation unit for modulating colors of the light beams emitted from the

light source, and a projection lens for projecting the light beams reflected

by the light modulation unit onto a screen; screen, the light modulation

unit comprising:

a micro-mirror array including comprising a red micro-mirror, a green

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micro-mirror, and a blue micro-mirror, each micro-mirror functioning as

a color filter and capable of being configured for receiving and reflecting

the light beams directly emitted from the light source to the projection

lens; and

a driver driving circuit for providing a digital signal to the

micro-mirror array to maintain each micro-mirror thereof one of in an on

state [[or]] and in an off state.

Claim 9 (original): The color projection display device as described in

claim 8, wherein the micro-mirror array is made by a

micro-electromechanical system.

Claim 10 (currently amended): The color projection display device as

described in claim 1, wherein a pulse width modulator (PWM) is

configured for controlling the driver driving circuit is controlled using a

pulse-width modulator (PWM).

Claim 11 (currently amended): A color projection display device,

comprising: a light source adapted for providing light beams, a light

modulation unit for modulating colors of the light beams emitted from the

light source, and a projection lens for projecting the light beams reflected

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by the light modulation unit onto a screen; screen, the light modulation

unit comprising:

a micro-mirror array including comprising at least three micro-mirrors,

each characterized with one single original color, and functioning as a

color filter and being espable of configured for receiving and reflecting

the light beams directly emitted from the light source to the projection

lens; and

a driver circuit for providing a digital signal to the micro-mirror array

to maintain each micro-mirror thereof in an on state or in an off state;

wherein through an on-off state change of each of said micro-mirror, a

combination of the light beams defines at least 23 alternatives.

Claim 12 (new): The color projection display device as described in

claim 11, wherein the micro-mirror array is made by a

micro-electromechanical system.

Claim 13 (new): The color projection display device as described in

claim 11, wherein a pulse width modulator (PWM) is employed for

controlling the driver circuit.

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Claim 14 (new): The color projection display device as described in claim 8, wherein a pulse width modulator (PWM) is employed for controlling the driver circuit.